

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) ~~Intervertebral~~ An intervertebral disc prosthesis, ~~with~~ comprising two cover plates and a prosthesis core (5) which is connected to one of the cover plates (1) by ~~means of~~ connection profiles (8, 8', 14, 14') on the one of the cover plates and the prosthesis core which are undercut in a complementary manner, ~~characterized in that wherein~~ the connection profiles (8, 8', 14, 14') include at least one pair of substantially straight profile sections (9, 16) which are ~~symmetrical~~ disposed symmetrically with respect to ~~the AP~~ an anterior-posterior direction (10) of the prosthesis in an implanted position and are arranged at an angle to one another.

2. (Canceled)

3. (Currently Amended) ~~Intervertebral~~ The intervertebral disc prosthesis according to Claim 1 [[or 2]], ~~characterized in that wherein~~ the profile sections (9, 16) ~~arranged at an angle to one another~~ are arranged on the a dorsal side of the intervertebral disc prosthesis and are held in engagement with each other by means (11, 18) an engaging structure arranged on the a ventral side of the intervertebral disk prosthesis in the implanted position.

4. (Currently Amended) ~~Intervertebral~~ The intervertebral disc prosthesis according to Claim 3, ~~characterized in that the profile sections (9, 16) arranged on the dorsal side are provided in addition to further comprising~~ a pair of laterally arranged profile sections (7').

5. (Currently Amended) ~~Intervertebral~~ The intervertebral disc prosthesis according to Claim 1 [[or 2]], ~~characterized in that wherein~~ the angle (α) between the profile sections (9, 16) ~~arranged at an angle to one another~~ is not greater than 150°.